

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

US EPA RECORDS CENTER REGION 5

SUBJECT: RFA Visual Site Inspection
ILD 041 550 567



1000839

FROM: Lily Herskovits, Chemical Engineer
Permit Section, Illinois Unit

TO: Union Oil RCRA File

On August 15, 1986 completed an RFA visual site inspection at Union Oil/Lemont facility. The inspection was carried out jointly with IEPA. Rob Watson, Jim Mayka and myself met with Union Oil Environmental specialists Daryl Bruckert and Lee Erchull.

We reviewed the general facility informations, RCRA status and the SWMU information.

General facility data:

The refinery processes crude oil coming in through pipeline. There is a small barge loading dock for shipping out products. The facility is designed for sour crude processing. The followup process units are in Lemont: Desalter, distillation AT & Vacuum, 2 NHT, 5 LDHT, 1 Diesel HT, 1 needlecoke unit, 4 Claus units, 1 Stratford process. Platforming, and Udex unit for aromatic extraction, coke calciner and HF and alkylation unit.

Wastes generated at this site:

- Ca Cl₂ sludge
- Catalyst fines
- Utilities silicagel fines waste
- desalter sludge (every 3-5 years once)
- Stratford solution (disposed thru commercial waste disposal Co.)
- Claus catalyst
- Aromatic extraction unit-generates polymer clays
- Bio sludge
- Boyler treatment plant - hot caustic waste.

There are two systems for caustic spent sludges:

- (1) spent sour sulfate, its a waste
- (2) non sour; it is recycled and sold.

- Caustic loaded into tank cars at the plant
- Corrosive products - heat exchanger bundle cleaning liquid.
- Tank cleaning sludge goes into dumpsters.

No schedule for tank cleaning.

- Slop oil tank: sulfide limit 100 ppm.
soluble sulfides are very little.

Storm water basin for storage of runoff from tank farms. It is removed and dried.

- Zeolites are disposed off site, effluent brines are going to WWTP.

Geological/Hydrogeological conditions.

Glacial deposit formation in depth 80-100 feet.
Fractured dolomite is the basis in the whole area.
The surface impoundments are embedded in the dolomite.
The drinking water comes from deep wells going under the glacial deposit.

Site Inspection:

We inspected the SWMU's and the land treatment area, which is in process of closing.

The following SWMU's are on Union Oil property:
Surface impoundment - dry as of the inspection.

Container Storage Area:

There are 4 areas worked on the plot plan that were used for temporary (less than 90 day storage) K050 was stored here.

Waste Water Treatment Unit:

See for more details when going out for sample taking inspection. This is part of NPDES permit and the impoundment is RCRA regulated.

Creek (I & M Canal)

It is contaminated with oil & grease and with possible inorganic chemicals.

Loadings & Unloading areas:

Barge dock and tank car loading facility soil to be tested for contamination.

There was a detonation and fire in the unsaturated gas processing unit. We should request documents on the investigation regarding its cause and occurrence/responsibility etc.



FO5-8203-02

IL-021-06

ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

RECEIVED

JUN 03 1985

IEPA-DLPC

DATE: January 18, 1983

TO: File/USEPA Region V

FROM: Paul D. Shea

SUBJECT: Preliminary Assessment

Illinois/TDD#R5-8212-01A-021

Lemont/Union Oil Company (Chicago Refinery)

ILD041550567

1978030004

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. IEPA Files (Mr. Brad Benning, 312/345-9780)
2. Ecology and Environment Files (TDD#F5-8005-03)
3. Memorandum (Union Oil Company), June 2, 1970

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. None
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Waste quantity
2. Groundwater/surface water contamination
3. Years of operation for site

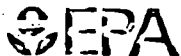
A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Waste quantity
2. Groundwater/surface water
3. Direct contact
- 4.
- 5.

Suggested methods/sources for obtaining additional information are:

1. Sampling/monitoring
2. On and off site inspection
- 3.

Notice of an apparent need for emergency action was transmitted to N/A on N/A by N/A.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
IL D041550567

II. SITE NAME AND LOCATION

01 SITE NAME (legal, common, or descriptive name of site) UNION OIL CO. (CHGO. REF.)
02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 135 TH AND NEW AVENUE
03 CITY LEMONT
04 STATE 05 ZIP CODE 06 COUNTY 07 COUNTY OR CONG CODE DIST
IL 60439 COOK 031 4
09 COORDINATES LATITUDE 41°38'35.6" LONGITUDE 88°03'07.0"
TOPO MAP : ROMEOVILLE SAG BRIDGE QUADS
10 DIRECTIONS TO SITE (Starting from nearest public road):
TAKE NEW AVE. SOUTH THROUGH LEMONT AND FOLLOW IT SOUTH TO 135 TH ST. TURN RIGHT AND GO ACROSS TRACKS AND THE REF. WILL BE ON RIGHT SIDE.

III. RESPONSIBLE PARTIES

01 OWNER (if known) UNION OIL CO. (CHGO REFINERY)
02 STREET (business, mailing, residential) 135 TH AND NEW AVE
03 CITY LEMONT
04 STATE 05 ZIP CODE 06 TELEPHONE NUMBER
IL 60439 (312) 257-7761
07 OPERATOR (if known and different from owner) MR. HENRY HAAS (SUPERINTENDENT OF ENVIRON. DEPT.)
08 STREET (business, mailing, residential) 135 TH + NEW AVE
09 CITY LEMONT
10 STATE 11 ZIP CODE 12 TELEPHONE NUMBER
IL 60439 (312) 257-7761

13 TYPE OF OWNERSHIP (Check one):

☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply):

☒ A. RCRA 3001 DATE RECEIVED: 8/18/80 ☒ B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: 6/8/81 ☐ C. NONE
MONTH DAY YEAR MONTH DAY YEAR

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION 8/1/80
☒ YES DATE 8/6/80 ☐ NO 11/19/80
BY (Check all that apply): ☒ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one):

☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

BEGINNING YEAR

ENDING YEAR

☒ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

SLUDGES (TOXIC, PERSISTENT)
OILY WASTE (TOXIC, PERSISTENT, FLAMMABLE)
HEAVY METALS (TOXIC, PERSISTENT)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

PERCOLATION INTO GROUNDWATER (ENV + POPULATION)
RUNOFF TO SURFACE WATER (ENVIRONMENT + POPULATION)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents):

☐ A. HIGH (inspection required promptly) ☐ B. MEDIUM (inspection required) ☐ C. LOW (inspection on time available basis) ☐ D. NONE (no further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

EPA FILES FROM MR. BRAD BENNING, (312) 345-9780
E + E FILES (TDD # F5 8005-03)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D041550567

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 20,000 04 NARRATIVE DESCRIPTION

SLUDGES SPREAD ON SURFACE OF FIELD. PERCOLATION INTO
GROUND A VERY GOOD POSSIBILITY. WELLS HAVE BEEN
INSTALLED AROUND LAGOONS BY UNION OIL CO.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 20,000 04 NARRATIVE DESCRIPTION

HAS BEEN A COMPLAINT + SUIT FILED AGAINST CO FROM
NEIGHBOR COMPLAINING HIS WATER (LAKE) IS BEING OR WAS
CONTAMINATED. RUNOFF WAS PROBLEM + IS POTENTIAL PROB.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 245 04 NARRATIVE DESCRIPTION
(1/2 MILE)

FLAMMABLE MATERIAL PRESENT IN WASTE

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 245 04 NARRATIVE DESCRIPTION
TO HOMES x 3.50/H (1/2 MILE)

SITE ONLY CONTAINED BY SMALL BARBED FENCE -
GEN. POPULATION EXPOSURE POTENTIAL HIGH.

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE: 11/19/80) ☒ POTENTIAL ☒ ALLEGED
03 AREA POTENTIALLY AFFECTED: 3-5 04 NARRATIVE DESCRIPTION
(ACRES)

SLUDGE SPRAYED ON FIELD. - COMPLAINTS FILED FROM
NEIGHBORS + INVESTIGATED BY IEPA.
SILT FROM DRAINAGE BASIN IS CONTAMINATING SOILS.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 20,000 04 NARRATIVE DESCRIPTION

POTENTIAL D.W. PROBLEM DUE TO POSSIBLE GROUND +
SURFACE WATER CONTAMINATION.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

ANY WORKER WHO IS DOING THE DUMPING IS EXPOSED
TO CONTAMINANT EITHER THROUGH CONTACT DERMALLY
OR AIR EMISSION

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 20,000 04 NARRATIVE DESCRIPTION

COMPLAINTS + SUIT FILED BECAUSE OF RUNOFF
CONTAMINATING PROPERTY + LAKE OF NEIGHBOR +
POTENTIALLY OTHER PEOPLE IN AREA.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL 0041550567

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

SLUDGE APPLIED TO FIELD - POTENTIAL AFFECT ON
FLORA PRESENT. CORNFIELD NEXT TO SITE.

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☒ ALLEGED

RUNOFF FROM FIELD APPLICATION ENTERING LAKE
ON NEIGHBOR PROPERTY. DAMAGE IS A GOOD POTENTIAL FISH & SPF

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

A CORN FIELD IS ADJACENT TO SITE AND RUNOFF
COULD CONTAMINATE IT. NEIGHBORS LAKE IF AFFECTED -
MEANS FISH COULD BE CONTAMINATED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Solid, liquid, and/or gas leaking drums)

02 ☒ OBSERVED (DATE: 11/19/80) ☒ POTENTIAL ☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 20,000
04 NARRATIVE DESCRIPTION

RUNOFF FROM APPLICATION TO GROUND (DIRECT)
LAGOONS + STANDING LIQUIDS

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☒ ALLEGED

NEIGHBOR SUIT FILED FOR ^{ALLEGED} DAMAGE TO PROPERTY.
(LAND + LAKE)

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 8/80) ☐ POTENTIAL ☒ ALLEGED

TRUCKS SEEN DUMPING WASTE ON FIELD.
(NEIGHBOR COMPLAINTS FUELED IEPA
TO MAKE INSPECTION)

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: ± 20,000

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., State files, sample analysis reports)

IEPA FILES (MR. BRAD BENNING) (312) 345-9780

MEMORANDUM (UNION OIL CO.) 6/2/1970

NOT AN ECKHART SITE

ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

DATE: August 11, 1980
TO: File
FROM: Rene Van Someren
SUBJECT: Illinois/Eckhart Report
Lemont/Union Oil

A Preliminary Assessment Form (USEPA Form T2070-~~2~~) has been completed for the subject site. This site was listed on the Illinois-Eckhart Report and has been researched pursuant to TDD# F5-8005-3.

In reviewing the Preliminary Assessment form and general background information, the following steps are recommended:

1. Obtain copies of IEPA analysis results.
2. IEPA to maintain inspection follow up & up-date USEPA as to findings.

ct



POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION V SITE NUMBER (to be assigned by HQ)

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME Illinois-Lemont/Union Oil		B. STREET (or other identifier) Maley Rd.	
C. CITY Lemont	D. STATE IL	E. ZIP CODE 60439	F. COUNTY NAME Cook
G. OWNER/OPERATOR (if known) 1. NAME Union Oil		2. TELEPHONE NUMBER	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			
I. SITE DESCRIPTION located near Smith Rd and 125th St Lemont Ill			
J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) Eckhart report		K. DATE IDENTIFIED (mo., day, & yr.)	
L. PRINCIPAL STATE CONTACT 1. NAME Ken Bechely Illinois EPA Northern Region		2. TELEPHONE NUMBER 312-897-1132	

II. PRELIMINARY ASSESSMENT (complete this section last)

APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input checked="" type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN		
B. RECOMMENDATION <input type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input checked="" type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: TEPA		
<input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)		
C. PREPARER INFORMATION 1. NAME Mike McCarrin		
2. TELEPHONE NUMBER 312-663-9415		3. DATE (mo., day, & yr.) 6-30-80

III. SITE INFORMATION

A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify):	
B. IS GENERATOR ON SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify generator's four-digit SIC Code):	
C. AREA OF SITE (in acres) 3-5 A985	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg., -min., -sec.) 2. LONGITUDE (deg., -min., -sec.)
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify): offices & plant	

IV. CHARACTERIZATION OF SITE ACTIVITY

State the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION	X	2. LANDFARM
3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
				7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
				8. SOLVENT RECOVERY		8. OTHER (specify):
				9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

Silt from surface drainage basin.

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1. UNKNOWN ☐ 2. LIQUID ☐ 3. SOLID ☒ 4. SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☒ 1. UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4. RADIOACTIVE ☐ 5. HIGHLY VOLATILE
☐ 6. TOXIC ☐ 7. REACTIVE ☐ 8. INERT ☐ 9. FLAMMABLE

C. OTHER (specify):

could contain organics

D. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

For other waste streams at RCRA offices

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGENATED SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			X (11) OTHER (specify):		
			<i>Organics</i>		

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

silt from surface drainage basin

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

none

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			<i>silt from drainage basin could be contaminating soils if silt contains organics as suspected</i>
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

VII. PERMIT INFORMATION

INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☐ 1. NPDES PERMIT ☐ 2. SPCC PLAN ☐ 3. STATE PERMIT (specify): NONE
☐ 4. AIR PERMITS ☐ 5. LOCAL PERMIT ☐ 6. RCRA TRANSPORTER
☐ 7. RCRA STORER ☐ 8. RCRA TREATER ☐ 9. RCRA DISPOSER
☐ 10. OTHER (specify): UNKNOWN

B. IN COMPLIANCE?

- ☐ 1. YES ☐ 2. NO ☒ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name & number):

VIII. PAST REGULATORY ACTIONS

- ☒ A. NONE ☐ B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
	AUG 1, 1980	EPA	Collect Samples
Inspection	AUG 6, 1980	EPA	Collect Samples of Silt

X. REMEDIAL ACTIVITY (past or on-going)

- ☐ A. NONE ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
			await results of
			organics analysis

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.



POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION

V

SITE NUMBER (to be assigned by HQ)

IL 000010178

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME Union Oil Co.		B. STREET (or other identifier) 135th & Smith	
C. CITY Le mont	D. STATE IL	E. ZIP CODE 60439	F. COUNTY NAME Will & Cook
G. OWNER/OPERATOR (if known) 1. NAME Union Oil Co.		2. TELEPHONE NUMBER (312) 257-7761	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			
I. SITE DESCRIPTION Sloping open field on Union Oil Co. Property where Unions Oil dumped on oil sludge			
J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) Citizen's Complaint			K. DATE IDENTIFIED (mo., day, & yr.) 8/11/80
L. PRINCIPAL STATE CONTACT 1. NAME Ted Denning IEPA (Maywood)		2. TELEPHONE NUMBER (312) 345-9780	

II. PRELIMINARY ASSESSMENT (complete this section last)

APPARENT SERIOUSNESS OF PROBLEM <input checked="" type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN		
B. RECOMMENDATION <input type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <input checked="" type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: 8/14/80 b. WILL BE PERFORMED BY: IEPA - Jack Barnett <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)		
C. PREPARER INFORMATION 1. NAME Philip Kaplan 2. TELEPHONE NUMBER 886-6711 3. DATE (mo., day, & yr.) 8/12/80		

III. SITE INFORMATION

A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify): (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)	
B. IS GENERATOR ON SITE? <input type="checkbox"/> 1. NO <input type="checkbox"/> 2. YES (specify generator's four-digit SIC Code):	
C. AREA OF SITE (in acres)	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg., min., sec.) 2. LONGITUDE (deg., min., sec.)
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input type="checkbox"/> 2. YES (specify):	

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

<input checked="" type="checkbox"/> A. TRANSPORTER	<input checked="" type="checkbox"/> B. STORER	<input checked="" type="checkbox"/> C. TREATER	<input checked="" type="checkbox"/> D. DISPOSER
1. RAIL	1. PILE	1. FILTRATION	1. LANDFILL
2. SHIP	2. SURFACE IMPOUNDMENT	2. INCINERATION	2. LANDFARM
3. BARGE	3. DRUMS	3. VOLUME REDUCTION	<input checked="" type="checkbox"/> 3. OPEN DUMP
4. TRUCK	4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	4. SURFACE IMPOUNDMENT
5. PIPELINE	5. TANK, BELOW GROUND	5. CHEM./PHYS. TREATMENT	5. MIDNIGHT DUMPING
6. OTHER (specify):	6. OTHER (specify):	6. BIOLOGICAL TREATMENT	6. INCINERATION
		7. WASTE OIL REPROCESSING	7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	8. OTHER (specify):
		9. OTHER (specify):	

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

July 29, 1980 Union Oil began dumping an oily sludge on its own property. Over 100 truckloads were dumped before the company stopped dumping on Aug. 7. IEPA + MSD have been out to site and have taken samples. After the rains of Aug 9 + 10 there was waste runoff into ditch + eventually into Big Run Creek and I+M Canal

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1. UNKNOWN ☐ 2. LIQUID ☐ 3. SOLID ☒ 4. SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☒ 1. UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4. RADIOACTIVE ☐ 5. HIGHLY VOLATILE
☐ 6. TOXIC ☐ 7. REACTIVE ☐ 8. INERT ☐ 9. FLAMMABLE

☐ 10. OTHER (specify):

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
<input checked="" type="checkbox"/> (1) PAINT, PIGMENTS	<input checked="" type="checkbox"/> (1) OILY WASTES	<input checked="" type="checkbox"/> (1) HALOGENATED SOLVENTS	<input checked="" type="checkbox"/> (1) ACIDS	<input checked="" type="checkbox"/> (1) FLYASH	<input checked="" type="checkbox"/> (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify):		

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Oil sludges, supposedly from storm retention ponds.
 Sample analysis results will not be known until around Aug. 20, 1980

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

On Aug 12 Ted Denning, IEPA reached agreement with Union Oil Corporation Counsel.
 1. Runoff to be contained by clay berm, booms, and hay 2. Sludge will be tilled into ground to a depth of one foot and covered with soil on Aug. 13 3. Site will not be used for further sludge disposal and company will reevaluate sludge handling. Jack Barnett will inspect Aug. 14 to see if Union complied.

VI. HAZARD DESCRIPTION Further action may be necessary if

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY	X			Wells in vicinity
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER	X			
8. CONTAMINATION OF SURFACE WATER		X	8/10/80	Sludge runoff after rain, to Big Run Creek & to IIM canal
9. DAMAGE TO FLORA/FAUNA		X	8/10/80	Vegetation blackened
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS		X	8/10/80	
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE		X	8/10/80	
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUIDS		X	8/10/80	
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☒ 1. NPDES PERMIT ☐ 2. SPCC PLAN ☐ 3. STATE PERMIT (specify): _____
☐ 4. AIR PERMITS ☐ 5. LOCAL PERMIT ☐ 6. RCRA TRANSPORTER
☐ 7. RCRA STORER ☐ 8. RCRA TREATER ☐ 9. RCRA DISPOSER
☐ 10. OTHER (specify): _____

B. IN COMPLIANCE?

- ☐ 1. YES ☐ 2. NO ☐ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name & number): _____

VIII. PAST REGULATORY ACTIONS

- ☐ A. NONE ☐ B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Inspection	8/11/80 8/12/80	MSD	Sample of run off taken. Ordered Union to contain run off.
Inspection	8/5/80	IEPA (Land)	Samples of Sludge taken
Inspection	7/31/80	IEPA (Water)	

X. REMEDIAL ACTIVITY (past or on-going)

- ☐ A. NONE ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Agreement between IEPA & Union Oil Corporation Counsel	8/12/80	IEPA (Maywood)	Union agreed to 1. Contain runoff, 2. Fill sludge into ground 3. Cease sludge dumping
Inspection	8/11/80	MSD	Ordered Union to build clay berm to contain sludge

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

MSD
 Copies of test analysis and inspection report will be obtained by calling Stanley Whitebloom, MSD Coordinator of Industrial Waste Control, at 751-5697

JULY 1986

REGION V RCRA FACILITY ASSESSMENTS
TECHNICAL WORK ASSIGNMENTS

Date Assigned
To Contractor

LILY HERSKOVITZ, USEPA, (312) 886-1477
Regional Permit
Reviewer

Facility Name UNION OIL CO.
Facility I.D. # IUD 041 550 567
Facility Address LEMONT, ILLINOIS

Technical Monitor (Contractor Contact)

Regional N/A
Telephone _____

State TERRY AYERS, ILL. EPA
Telephone ²¹⁷ (312) 782-9848

Type Of Work Requested: (Check Appropriate Box)

- ☐ Preliminary Review
☐ Visual Site Inspection ☐ Complete RFA
☐ Sampling Inspection
☐ Sampling & Analysis (Only)
☐ Well Drilling
☒ (Other) TRANSPORTATION + ANALYSIS OF SAMPLES

Types of Units
Landfills

Surface Impoundments

Land Treatment

Waste Piles

Other

(NOT NECESSARY FOR
CONTRACTOR TO KNOW)

File Location(s):

Special Arrangements For File Review:

☐ Regional Office

☐ State Office

☐ Both

N/A

History of Facility:

N/A

Special Considerations (i.e., Enforcement Action, etc.):

N/A

IMPORTANT TARGET DATES

AUG 25 - 29, 1986

30 DAYS AFTER SAMPLE RECEIPT

OUTPUT

TRANSPORTATION OF STATE-COLLECTED
SAMPLES TO ENVIRODYNE LAB

ANALYSIS REPORT ON SAMPLES

Describe Work Requested:

AT THE DIRECTION OF MR. TERRY AYERS OF ILL. EPA (OR HIS DESIGNEE), CONTRACTOR WILL PROVIDE SUITABLE PERSONNEL AND VEHICLE(S) TO TRANSPORT SAMPLES TO ENVIRODYNE ENGINEERS, 12161 LACKLAND ROAD, ST. LOUIS, MISSOURI 63141 PHONE (314) 434-6960. CONTRACTOR PERSONNEL AND VEHICLE(S) WILL APPEAR AT A TIME AND LOCATION SPECIFIED BY MR. AYERS, TO RECEIVE AND TRANSPORT SUCH SAMPLES. BASED ON MR. AYERS' DESCRIPTION OF THE SAMPLES, CONTRACTOR WILL HAVE APPROPRIATE "REFRIGERATION" OR OTHER SPECIAL TRANSPORTATION ACCOMPANIMENTS AS SPECIFIED BY MR. AYERS. -- CONTRACTOR WILL BE FULLY RESPONSIBLE FOR COORDINATING DELIVERY OF SAMPLES TO ENVIRODYNE AND FOR ADVISING ENVIRODYNE OF ANALYSES TO BE CONDUCTED, BASED ON SPECIFICATIONS OF MR. AYERS. CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THAT ENVIRODYNE CONDUCTS SPECIFIED ANALYSES + PREPARES ANALYSIS REPORTS IN A FASHION SPECIFIED BY MR. AYERS.

-- MR. AYERS SHOULD BE CONTACTED IMMEDIATELY UPON RECEIPT OF THIS WORK ORDER REQUEST, TO WORK OUT APPROPRIATE DETAILS.

ATTACHMENT 3

CERTIFICATION REGARDING POTENTIAL RELEASES FROM
SOLID WASTE MANAGEMENT UNITS
(CLOSURE PLAN REVIEW)

FACILITY NAME: UNO-VEN Refinery
EPA I.D. NUMBER: 1978030004 - Will County
LOCATION/CITY: Lemont
STATE: Illinois

1. Are there any of the following solid waste management units (existing or closed) at your facility? NOTE - DO NOT INCLUDE HAZARDOUS WASTES UNITS CURRENTLY SHOWN IN YOUR PART A APPLICATION AND IN YOUR CLOSURE PLAN.

	YES	NO
(1) . Landfill		X
(2) . Surface Impoundment	X	
(3) . Land Farm	X	
(4) . Waste Pile	X	
(5) . Incinerator		X
(6) . Storage Tank (Above Ground)	X	
(7) . Storage Tank (Underground)		X
(8) . Container Storage Area	X	
(9) . Injection Wells		X
(10) . Wastewater Treatment Units	X	
(11) . Transfer Stations		X
(12) . Waste Recycling Operations	X	
(13) . Waste Treatment, Detoxification		X
(14) . Other <u>See List</u>	X	

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DEC 27 1993
EPA REGION 5
PERMIT SECTION

2. If there are "Yes" answers to any of the items in Number 1 above, please provide a description of the wastes that were stored, treated or disposed of in each unit. In particular, please focus on whether or not the wastes would be considered as hazardous wastes or hazardous constituents under RCRA. Also include any available data on quantities or volume of wastes disposed of and the dates of disposal. Please also provide a description of each unit and include capacity, dimensions, location at facility, provide a site plan if available.

(See Table One)

NOTE: Hazardous waste are those identified in 40 CFR 261. Hazardous constituents are those listed in Appendix VIII of 40 CFR Part 261.

ATTACHMENT 1

CONTINUING RELEASES AT PERMITTED FACILITIES

Sec. 206. Section 3004 of the Solid Waste Disposal Act is amended by adding the following new subsection after subsection (t) thereof:
"(u) CONTINUING RELEASES AT PERMITTED FACILITIES-Standards promulgated under this section shall require, and a permit issued after the date of enactment of the Hazardous and Solid Waste Amendments of 1984 by the Administrator or a State shall require, corrective action for all releases of hazardous waste or constituents from any solid waste

-2-

3. For the units noted in Number 1 above and also those hazardous waste units in your Part A application and in your closure plan, please describe for each unit any data available on any prior or current releases of hazardous wastes or constituents to the environment that may have occurred in the past or still be occurring.

Please provide the following information

- a. Date of release
- b. Type of waste released
- c. Quantity or volume of waste released
- d. Describe nature of release (i.e., spill, overflow, ruptured pipe or tank, etc.)

N/A

4. In regard to the prior releases described in Number 3 above, please provide (for each unit) any analytical data that may be available which would describe the nature and extent of environmental contamination that exists as a result of such releases. Please focus on concentrations of hazardous wastes or constituents present in contaminated soil or groundwater.

N/A

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the submittal is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (42 U.S.C. 6902 et seq. and 40 CFR 270.11(d))

Nicholas J. Nedeau, Counsel

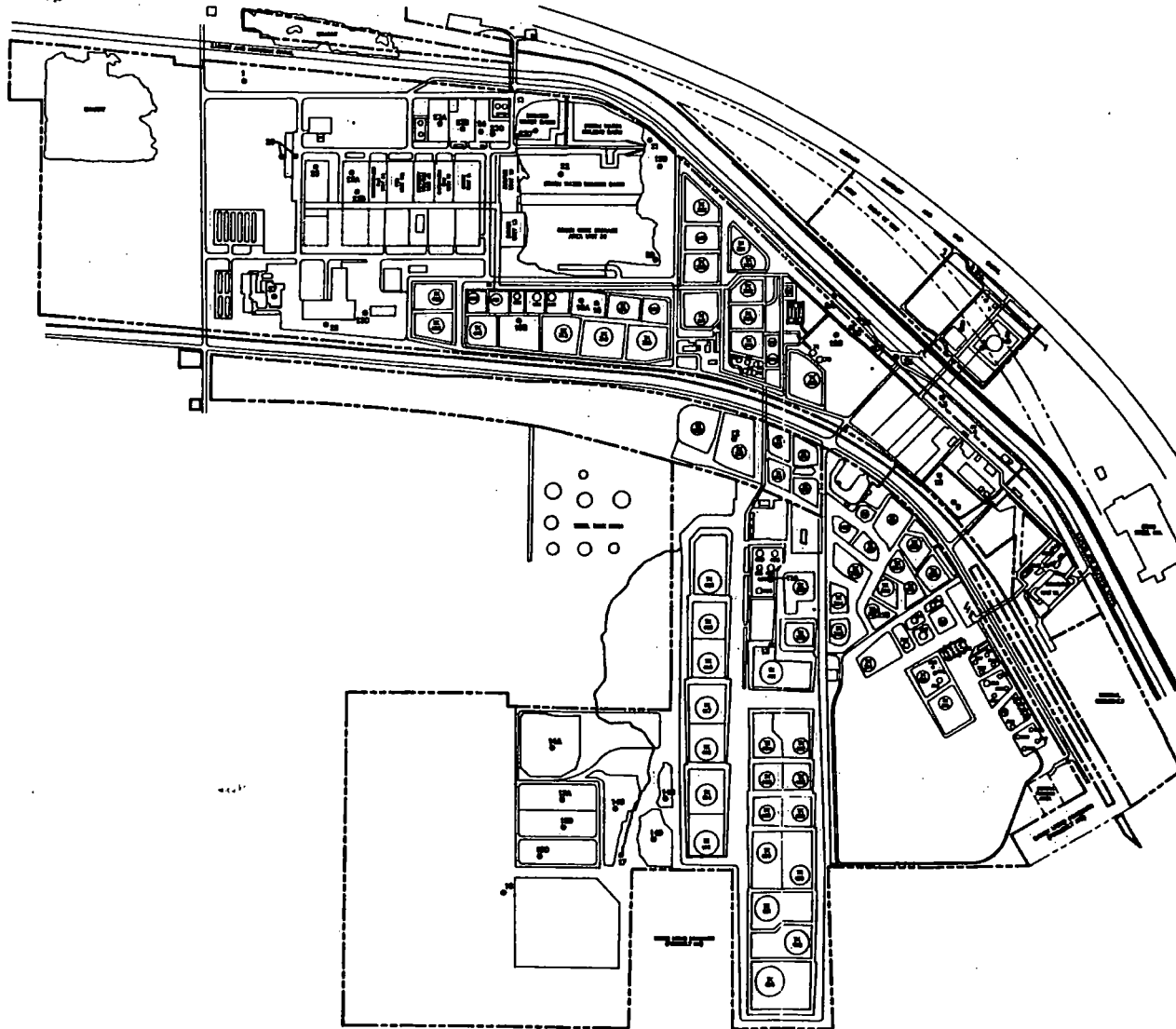
Typed Name and Title

Nicholas J. Nedeau
Signature

December 17, 1993
Date

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DEC 27 1993
IEPA - DUL
PERMIT SECTION

UNIT #	CATEGORY	DESCRIPTION
13	4	Sludge drying area, one time application. This area was cleaned in late 1970's or early 1980's.
14 A-D	3	Former land farm - See Landfarm Closure submission.
15 A-B	2	Wastewater treatment plant impoundment. Held primarily lime sludge and API separator sludge.
15 C	2	Impoundment that historically accepted lime sludge and API Separator sludge. Impoundment was closed prior to effective date of RCRA. Currently used as non-hazardous waste sludge decanter for wastewater treatment plant sludge.
16	3	A one-time application of approximately 10,500 cubic yards of sludge occurred in 1980 in this area.
17	14b	The creek bed received runoff from units 15 A-C, 16, (landfarm) and from fields across Smith Road.
18	4	Waste staging areas.
19	4	Former sludge drying areas.
20	8	Active drum staging area - Both the covered, outdoor area, and adjoining location.
21	10	Two vertical oil storage tanks at Storm Water Basin.
22	10	Storm water holding basin.
23	10	Wastewater treatment plant.
24	10	Active oil/water separator, installed over the former API separator in 1990. Former location was remediated prior to this installation.
25 A-B	14c	Heat exchanger bundle cleaning pad - built in mid 1980s.
25 C	13	Supplementary heat exchanger bundle cleaning pad.
26	8	Empty drum collection at maintenance building.



1,000 0 1,000 2,000

SCALE IN FEET
1" = 1,000'-0"

DRAWING 1

ENSRTM

ENSR CONSULTING AND ENGINEERING

THE UNO-VEN COMPANY
CHICAGO REFINERY
LEMONT, ILLINOIS

DRAWN: EDH	DATE: 12/14/93	PROJECT NUMBER: 6941-025	REV. 0
APPROVED: WGTM	REVISED: X		

CERTIFICATION REGARDING POTENTIAL RELEASES FROM
SOLID WASTE MANAGEMENT UNITS

FACILITY NAME: Union Oil Company of California, Chicago Refinery
EPA I.D. NUMBER: ILD 041550567
LOCATION CITY: Lemont
STATE: Illinois

1. Are there any of the following solid waste management units (existing or closed) at your facility? NOTE - DO NOT INCLUDE HAZARDOUS WASTES UNITS CURRENTLY SHOWN IN YOUR PART B APPLICATION

	<u>YES</u>	<u>NO</u>
• Landfill		<u>X</u>
• Surface Impoundment	<u>X</u>	
• Land Farm	<u>X</u>	
• Waste Pile		<u>X</u>
• Incinerator		<u>X</u>
• Storage Tank (Above Ground)		<u>X</u>
• Storage Tank (Underground)		<u>X</u>
• Container Storage Area	<u>X</u>	
• Injection Wells		<u>X</u>
• Wastewater Treatment Units	<u>X</u>	
• Transfer Stations		<u>X</u>
• Waste Recycling Operations		<u>X</u>
• Waste Treatment, Detoxification		<u>X</u>
• Other		<u>X</u>

2. If there are "Yes" answers to any of the items in Number 1 above, please provide a description of the wastes that were stored, treated or disposed of in each unit. In particular, please focus on whether or not the wastes would be considered as hazardous wastes or hazardous constituents under RCRA. Also include any available data on quantities or volume of wastes disposed on and the dates of disposal. Please also provide a description of each unit and include capacity, dimensions, location at facility, provide a site plan if available.

See Attachment

NOTE: Hazardous waste are those identified in 40 CFR 261. Hazardous constituents are those listed in Appendix VIII Of 40 CFR Part 261.

3. For the units noted in Number 1 above and also those hazardous waste units in your Part B application, please describe for each unit any data available on any prior or current releases of hazardous wastes or constituents to the environment that may have occurred in the past or still be occurring.

Please provide the following information

- a. Date of release
- b. Type of waste released
- c. Quantity or volume of waste released
- d. Describe nature of release (i.e., spill, overflow, ruptured pipe or tank, etc.)

See Attachment

4. In regard to the prior releases described in Number 3 above, please provide (for each unit) any analytical data that may be available which would describe the nature and extent of environmental contamination that exists as a result of such releases. Please focus on concentrations of hazardous wastes or constituents present in contaminated soil or groundwater.

See Attachment

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the submittal is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (42 U.S.C. 6902 et seq. and 40 CFR 270.11(d)) This certification specifically applies to (1) hazardous wastes and (2) hazardous constituents of non-hazardous wastes.

D. W. Bruckert, Supervisor Environmental Services
Typed Name and Title

D. W. Bruckert
Signature

5/02/85
Date

RESPONSES TO ITEM 2:Surface Impoundment

The surface impoundment is located in the vicinity of the RCRA landfarm (See Site Plan). It contains three cells; two of which were used to store combined water/wastewater plant sludge and stormwater pond dredgings which were in service from 1974-1980. The third cell was used under interim status as a RCRA impoundment. A closure plan on this impoundment has been submitted to IEPA. The combined water/wastewater sludge contained a small amount of API Separator Sludge (RCRA hazardous waste K051). The pond dredgings are considered to be nonhazardous. The cells measure 200' x 700' x 7'. The two filled cells contain an estimated 30,000 yd³ of sludge.

Landfarm

The landfarm is located just east of the above impoundments (See Site Plan). It was used in the summer of 1980 to treat stormwater pond dredgings. An estimated 10,250 yd³ of sludge (3700 dry tons) was applied to a piece of property measuring 800' x 700' from July 28, 1980, to August 8, 1980.

Container Storage Area

Four areas have been used to temporarily store hazardous and nonhazardous waste prior to disposal in bulk to a landfill (See Site Plan). The only hazardous waste handled in these areas was Limed Corrosion Products which contained a small amount of RCRA hazardous waste (K050).

Wastewater Treatment Unit

The wastewater treatment unit has been used to treat wastewater contaminated through processing of crude oil into products. It has not been used to treat hazardous wastes. The wastewater treatment unit has an NPDES permit.

RESPONSES TO ITEMS 3 and 4:RCRA Impoundment and Landfarm

There have been no known releases of hazardous wastes or hazardous constituents from these units. We are currently in an assessment program to determine whether we have had an impact on the groundwater under the site.

Surface Impoundment

There have been no known releases of hazardous wastes or hazardous constituents from this unit.

Landfarm

There have been no known releases of hazardous waste or hazardous constituents from this unit.

Container Storage Areas




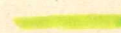

There have been no known release of hazardous waste or hazardous constituents from this unit.

Wastewater Treatment Unit

Effluents were discharged under an NPDES permit.

UNION 76 DIVISION
 UNION OIL COMPANY OF CALIFORNIA
 CHICAGO REFINERY

LEMONT, ILLINOIS
 APRIL 1970
 APRIL 1979 (REV)
 JAN 1981 (REV)

-  = Impoundment
-  = 1980 Landfarm
-  = RCRA Landfarm
-  = Container Storage Areas
-  = Wastewater Treatment Unit

